

An aerial photograph of a residential neighborhood that has been completely inundated with floodwater. The water is a deep, dark blue, and the rooftops of houses are visible as small, light-colored patches scattered across the landscape. Trees and other vegetation are also partially submerged. The overall scene conveys a sense of widespread disaster and destruction.

Organization

*We developed ineffective
working structures &
processes*

An aerial photograph of a flooded city intersection. A central island with a green lawn and a few trees is partially submerged. A yellow taxi is parked on the island. Several people are standing on the island, and some are wading through the floodwater. In the background, there are traffic lights and some buildings. The water is dark and reflects the sky.

Resource Allocation

*We did not have the 'right
stuff' in the right amounts in
the right places at the right
times*

Trade-offs

We did not choose wisely

*We traded the wrong things in the
wrong ways for the wrong reasons
at the wrong times*

An aerial photograph of a large concrete dam. Water is cascading over the spillways, creating white rapids. The surrounding landscape is a mix of green vegetation and brown, eroded earth. The word "Management" is superimposed in large red letters across the middle of the image.

Management

We were not on time or on budget and we did not have any happy customers

Diligence

A photograph of a crowd of people outdoors. In the center, a man is holding a large, square, antique-style clock high above his head with both hands. The clock has a light-colored face with dark numbers and hands. The man is wearing a light blue shirt. In the foreground, a woman with dark hair and a purple lanyard looks directly at the camera with a concerned expression. To her right, another woman in a pink shirt looks off to the side. The background shows other people and a hazy sky.

*We did not use time wisely
40 years after hurricane Betsy
we had an incomplete, deficient,
and defective protection system*



Synthesis

We did not have a coherent and compatible protection system

We had a lot of disjointed pieces that did not work as they should



Risk Assessment & Management

*We underestimated uncertainties,
consequences, costs & benefits*

*We failed to Manage and
we were Managed*



*This failure
happened
because
a
severe hurricane
tested and defeated a
deeply flawed protection system
developed by a
deficient Technology Delivery System*



Public

Nature

Inputs

Technology

Outputs

Undesirable

Desirable

**Technology Delivery
System**

Industry

Government



Key Premise Going Forward

*The
Technology Delivery System
must be fixed before a reliable
long-term flood protection system
can be realized*